

L Number	Hits	Search Text	DB	Time stamp
1	47	add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6	USPAT; US-PGPUB	2004/07/06 19:24
2	5	add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/06 19:22
3	7	(add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/06 19:22
4	2	((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)	USPAT; US-PGPUB	2004/07/06 19:23
5	81	(add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6	USPAT; US-PGPUB	2004/07/06 19:31
6	76	((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)	USPAT; US-PGPUB	2004/07/06 19:25
7	74	((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)	USPAT; US-PGPUB	2004/07/06 19:25
8	74	((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)	USPAT; US-PGPUB	2004/07/06 19:25
9	209	(add\$6 or sum\$7) near weigh\$ same low\$4pass\$4	USPAT; US-PGPUB	2004/07/06 19:31
10	204	((add\$6 or sum\$7) near weigh\$ same low\$4pass\$4) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)))	USPAT; US-PGPUB	2004/07/06 19:32

11	3	((add\$6 or sum\$7) near weigh\$ same low\$4pass\$4) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.))) and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/06 19:31
12	669676	((add\$6 or sum\$7) near weigh\$ same low\$4pass\$4) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.))) and filter\$6 and differenc\$5	USPAT; US-PGPUB	2004/07/06 19:33
13	198	((add\$6 or sum\$7) near weigh\$ same low\$4pass\$4) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.))) and filter\$6 and differenc\$5	USPAT; US-PGPUB	2004/07/06 19:33
14	15	((add\$6 or sum\$7) near weigh\$ same low\$4pass\$4) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.)) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and 704/\$.ccls.))) and filter\$6 and differenc\$5 and audi\$5 near signal\$4	USPAT; US-PGPUB	2004/07/06 19:33
15	1	5893068.pn.	USPAT; US-PGPUB	2004/07/06 19:55
16	1	5828994.pn.	USPAT; US-PGPUB	2004/07/06 19:55
17	1	3795876.pn.	USPAT; US-PGPUB	2004/07/06 19:55
-	0	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5	USPAT; US-PGPUB	2004/07/02 13:35
-	40	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5	USPAT; US-PGPUB	2004/07/02 13:35

-	26	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5	USPAT; US-PGPUB	2004/07/02 13:36
-	26	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4	USPAT; US-PGPUB	2004/07/02 13:36
-	18	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4	USPAT; US-PGPUB	2004/07/02 13:37
-	17	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4	USPAT; US-PGPUB	2004/07/02 13:37
-	1	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and calculat\$6 same differen\$4	USPAT; US-PGPUB	2004/07/02 13:37
-	1	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and calculat\$6 same differen\$4 and weigh\$4	USPAT; US-PGPUB	2004/07/02 13:39
-	16	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and weigh\$4	USPAT; US-PGPUB	2004/07/02 13:39
-	1	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and weigh\$4 and differen\$5 and calculat\$5	USPAT; US-PGPUB	2004/07/02 13:40
-	16	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and weigh\$4 and differen\$5	USPAT; US-PGPUB	2004/07/02 13:52
-	16	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and weigh\$4 and differen\$5 and conver\$5	USPAT; US-PGPUB	2004/07/02 13:54
-	11	expan\$5 near frequenc\$5 same bandwidth\$2 and conver\$5 same sampl\$5 near frequenc\$5	USPAT; US-PGPUB	2004/07/02 16:12
-	6	expan\$5 near frequenc\$5 same bandwidth\$2 and conver\$5 same sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4	USPAT; US-PGPUB	2004/07/02 16:13
-	7	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4	USPAT; US-PGPUB	2004/07/02 18:42
-	26	expan\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4	USPAT; US-PGPUB	2004/07/02 16:14
-	19	(expan\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4) not (expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4)	USPAT; US-PGPUB	2004/07/02 16:28
-	76	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5	USPAT; US-PGPUB	2004/07/02 16:32
-	12	expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and 704/\$.ccls.	USPAT; US-PGPUB	

-	2517	low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4	USPAT; US-PGPUB	2004/07/02 16:33
-	558	low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4 and cut\$4off near frequenc\$5	USPAT; US-PGPUB	2004/07/02 16:33
-	154	low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4	USPAT; US-PGPUB	2004/07/02 16:34
-	82	low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5	USPAT; US-PGPUB	2004/07/02 16:34
-	15	(low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5 and 704/\$.ccls.) not (expan\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and 704/\$.ccls.)	USPAT; US-PGPUB	2004/07/02 16:35
-	149	expan\$5 near frequen\$5 same bandwidth\$2	USPAT; US-PGPUB	2004/07/02 16:37
-	16	expan\$5 near frequen\$5 same bandwidth\$2 and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/02 17:00
-	133	(expan\$5 near frequen\$5 same bandwidth\$2) not (expan\$5 near frequen\$5 same bandwidth\$2 and 704/\$.ccls.)	USPAT; US-PGPUB	2004/07/02 17:09
-	7067	expan\$5 same frequen\$5 and sampl\$4 same frequen\$5	USPAT; US-PGPUB	2004/07/02 17:11
-	726	expan\$5 same frequen\$5 and sampl\$4 same frequen\$5 and digit\$5 same audi\$5 near signal\$4	USPAT; US-PGPUB	2004/07/02 17:11
-	332	expan\$5 same frequen\$5 and bandwidth\$4 and sampl\$4 same frequen\$5 and digit\$5 same audi\$5 near signal\$4	USPAT; US-PGPUB	2004/07/02 17:12
-	142	expan\$5 same frequen\$5 and bandwidth\$4 and sampl\$4 same frequen\$5 and digit\$5 same audi\$5 near signal\$4 and low\$4pass\$4 near filter\$4	USPAT; US-PGPUB	2004/07/02 17:12
-	38	expan\$5 same frequen\$5 and bandwidth\$4 and sampl\$4 same frequen\$5 and digit\$5 same audi\$5 near signal\$4 and low\$4pass\$4 near filter\$4 and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/02 17:13
-	26	expan\$5 same frequen\$5 and bandwidth\$4 and sampl\$4 same frequen\$5 and digit\$5 same audi\$5 near signal\$4 and low\$4pass\$4 near filter\$4 and weigh\$5 and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/02 17:13
-	16	low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5 and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/02 18:40
-	21	low\$4pass\$4 near filter\$6 and audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5 and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/02 18:40
-	5	(low\$4pass\$4 near filter\$6 and audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5 and 704/\$.ccls.) not (low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5 and 704/\$.ccls.)	USPAT; US-PGPUB	2004/07/02 18:40
-	48	expan\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and audi\$5 near signal\$4	USPAT; US-PGPUB	2004/07/02 18:42
-	22	(expan\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and audi\$5 near signal\$4) not (expan\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4)	USPAT; US-PGPUB	2004/07/02 18:44

-	7	(expan\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and audi\$5 near signal\$4) not (expan\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4) and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/02 18:48
-	1098	frequenc\$4 near expan\$6	USPAT; US-PGPUB	2004/07/02 18:48
-	58	frequenc\$4 near expan\$6 and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/02 18:48
-	100884	differen\$5 same (current\$4 or present\$4) and (past or histor\$4)	USPAT; US-PGPUB	2004/07/06 13:08
-	41015	differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5	USPAT; US-PGPUB	2004/07/06 13:08
-	1718	differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5 and low\$4pass same filter\$6	USPAT; US-PGPUB	2004/07/06 13:09
-	19	differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5 and low\$4pass same filter\$6 and polar\$6 same gradien\$4	USPAT; US-PGPUB	2004/07/06 13:18
-	9	differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5 and low\$4pass same filter\$6 and polar\$6 same gradien\$4 and wave\$3form\$4	USPAT; US-PGPUB	2004/07/06 13:11
-	10	(differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5 and low\$4pass same filter\$6 and polar\$6 same gradien\$4) not (differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5 and low\$4pass same filter\$6 and polar\$6 same gradien\$4 and wave\$3form\$4)	USPAT; US-PGPUB	2004/07/06 13:15
-	8	differen\$5 same (calculat\$6 or comput\$7) and ((current\$4 or present\$4) same (past or histor\$4)) near (data or information) and weigh\$5 same differen\$5 and low\$4pass same filter\$6 and output\$5	USPAT; US-PGPUB	2004/07/06 14:00
-	28	differen\$5 same (calculat\$6 or comput\$7) and ((current\$4 or present\$4) same (past or histor\$4)) near (data or information) and low\$4pass same filter\$6	USPAT; US-PGPUB	2004/07/06 14:12
-	24	differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (past or histor\$4)) near (data or information) and low\$4pass same filter\$6	USPAT; US-PGPUB	2004/07/06 14:13
-	17	differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (past or histor\$4)) and low\$4pass same filter\$6	USPAT; US-PGPUB	2004/07/06 14:15
-	6	differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (previous\$4 or past or histor\$4)) and low\$4pass same filter\$6 and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/06 14:19
-	152	differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (previous\$4 or past or histor\$4)) and low\$4pass same filter\$6	USPAT; US-PGPUB	2004/07/06 14:21
-	11	(US-6098046-\$ or US-5920842-\$ or US-5828994-\$ or US-5799276-\$ or US-5596677-\$ or US-6504838-\$ or US-6091777-\$ or US-5740283-\$ or US-5535244-\$ or US-4633720-\$).did. or (US-20020029148-\$).did.	USPAT; US-PGPUB	2004/07/06 15:20
-	9	((US-6098046-\$ or US-5920842-\$ or US-5828994-\$ or US-5799276-\$ or US-5596677-\$ or US-6504838-\$ or US-6091777-\$ or US-5740283-\$ or US-5535244-\$ or US-4633720-\$).did. or (US-20020029148-\$).did.) and (differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (previous\$4 or past or histor\$4)) and low\$4pass same filter\$6)	USPAT; US-PGPUB	2004/07/06 15:20

-	5	((US-6098046-\$ or US-5920842-\$ or US-5828994-\$ or US-5799276-\$ or US-5596677-\$ or US-6504838-\$ or US-6091777-\$ or US-5740283-\$ or US-5535244-\$ or US-4633720-\$).did. or (US-20020029148-\$).did.) and (differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (previous\$4 or past or histor\$4)) and low\$4pass same filter\$6) and weigh\$5	USPAT; US-PGPUB	2004/07/06 15:46
-	1	adjacent same wave\$4form\$4 near peak\$4 and polarit\$5 near gradien\$4	USPAT; US-PGPUB	2004/07/06 19:18
-	250	polarit\$5 near gradien\$4	USPAT; US-PGPUB	2004/07/06 15:48
-	1	polarit\$5 near gradien\$4 and adjacent and 704/\$.ccls.	USPAT; US-PGPUB	2004/07/06 15:48
-	93	polarit\$5 near gradien\$4 and adjacent	USPAT; US-PGPUB	2004/07/06 16:05
-	39	polarit\$5 near gradien\$4 and adjacent and wave\$4form\$4	USPAT; US-PGPUB	2004/07/06 16:06
-	20	polarit\$5 near gradien\$4 and adjacent and wave\$4form\$4 same differ\$5	USPAT; US-PGPUB	2004/07/06 16:08

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)

[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)
IEEE Xplore
RELEASE 1.2

 Welcome
 United States Patent and Trademark Office


» See

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)
[Quick Links](#)
Welcome to IEEE Xplore

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format
[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

 Your search matched **1** of **1049776** documents.

 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or enter new one in the text box.

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 Determining polarity of speech signals based on gradient of spurious glottal waveforms
Wen Ding; Campbell, N.;

 Acoustics, Speech, and Signal Processing, 1998. ICASSP '98. Proceedings of the 1998 IEEE International Conference on , Volume: 2 , 12-15 May 1998
 Pages:857 - 860 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(376 KB\)\]](#) **IEEE CNF**